PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 100852-59139-PT/TM	FOR FURTHER ACTION	See Form PCT/IPEA/416				
International application No. PCT/HU2004/000103	International filing date (day/month/year 04.11.2004	Priority date (day/month/year) 04.11.2003				
International Patent Classification (IPC) or national classification and IPC A61B5/00						
Applicant SZEGEDI TUDOMANYEGYETEM et al.						
. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.						
2. This REPORT consists of a total of	. This REPORT consists of a total of 4 sheets, including this cover sheet.					
3. This report is also accompanied by	. This report is also accompanied by ANNEXES, comprising:					
	o the International Bureau) a total of 1	•				
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
sheets which supersect beyond the disclosure Supplemental Box.	e earlier sheets, but which this Autho in the international application as file	ority considers contain an amendment that goes d, as indicated in item 4 of Box No. I and the				
sequence listing and/or tab	ureau only) a total of (indicate type ar les related thereto, in computer reada Listing (see Section 802 of the Admir	nd number of electronic carrier(s)) , containing a able form only, as indicated in the Supplemental histrative Instructions).				
4. This report contains indications re	ating to the following items:					
Box No. I Basis of the opin	ion					
☐ Box No. II Priority						
☐ Box No. III Non-establishme	ent of opinion with regard to novelty, i	nventive step and industrial applicability				
☐ Box No. IV Lack of unity of i						
⊠ Box No. V Reasoned states applicability; cita	ment under Article 35(2) with regard t tions and explanations supporting su	o novelty, inventive step or industrial ch statement				
Box No. VI Certain docume	nts cited					
	n the international application					
☐ Box No. VIII Certain observat	tions on the international application					
Date of submission of the demand	Date of compl	etion of this report				
26.05.2005	20.10.2005					
Name and mailing address of the international	Authorized Off	FICOT .nas Polon.				
preliminary examining authority: European Patent Office - Gitsc D-10958 Berlin Tel. +49 30 25901 - 0 Fax: +49 30 25901 - 840	Bernas, Y	. +49 30 25901-558				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/HU2004/000103

	Box	No. I	Basis of the report
1.	With filed	With regard to the language , this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.	
		This re	eport is based on translations from the original language into the following language, is the language of a translation furnished for the purposes of:
		☐ pub	ernational search (under Rules 12.3 and 23.1(b)) Ilication of the international application (under Rule 12.4) Irnational preliminary examination (under Rules 55.2 and/or 55.3)
2.	With regard to the elements* of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):		
	Des	cription	, Pages
	1-11		as originally filed
	Clai	ms, Nun	mbers
1-8			received on 16.07.2005 with letter of 06.07.2005
	Drav	vings, S	Sheets
	1/2, 2	2/2	as originally filed
		a sequ	ence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing
3.			nendments have resulted in the cancellation of:
			description, pages claims, Nos.
		☐ the	drawings, sheets/figs sequence listing <i>(specify)</i> :
			table(s) related to sequence listing (specify):
1.	had Sup	not bee plemen	port has been established as if (some of) the amendments annexed to this report and listed below en made, since they have been considered to go beyond the disclosure as filed, as indicated in the tal Box (Rule 70.2(c)).
			description, pages claims, Nos.
		□ the	drawings, sheets/ligs sequence listing <i>(specify)</i> :
			table(s) related to sequence listing (specify):
	*	Tf ite	em 4 applies, some or all of these sheets may be marked "superceded "

INTERNATIONAL PRELIMINARY REPORT **ON PATENTABILITY**

International application No. PCT/HU2004/000103

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1-8

1-8

No:

Claims

Yes: Claims

No: Claims

Industrial applicability (IA)

Inventive step (IS)

Yes: Claims

1-8

No: Claims

2. Citations and explanations (Rule 70.7):

see separate sheet

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (SEPARATE SHEET)

International application No.

PCT/HU2004/000103

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

The subject-matter of claim 1 is new and viewed as inventive since it allows a simpler construction as in US5423320 by the use of single material permeable to gases and impermeable to fluids.

CLAIMS

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- 1. A tonometric device (20) for examination of respiratory insufficiency and regional tissue perfusion failure in patients comprising a distal end (22) for introducing into the gastrointestinal tract of the body of a patient, a section (24) to be introduced into the body, and a section (3) for fixing the position of the device to the patient, wherein the section to be introduced (24) comprises a first tube (1) to which an additional tubing (4) is connected, characterized in that it comprises a second tube (2) arranged substantially parallel with and fixed to the first tube (1), wherein the distal end (22) of the second tube (2) is in communicating connection with the first tube (1), and the first tube (1) and the second tube (2) are made of a material readily permeable for gases, especially for carbon dioxide but substantially impermeable for body fluids and other substances, preferably of silicone rubber, and an additional tubing (5) is connected to the second tube (2).
- 2. A device as claimed in claim 1, wherein the diameter of the first and second tubes (1, 2) is substantially constant between the distal end (22) and the fixing section (3).
- 3. A device as claimed in claim 1, wherein the additional tubings (4, 5) are provided with connecting means (6, 7).
- 4. A device as claimed in claim 3, wherein the connecting means (6, 7) are constructed for connecting them to the connecting stub of a medical syringe.
- 5. A device as claimed in claim 1, wherein the outer diameter of the tubes (1, 2) ranges from 1 to 4 mm and the wall thickness ranges from 0.3 to 1.0 mm.
- 6. A device as claimed in claim 5, wherein the outer diameter of the first tube (1) ranges from 2 to 4 mm and its wall thickness from 0.5 to 1.0 mm, and the outer diameter of the second tube (2) ranges from 1.0 to 1.5 mm and its wall thickness from 0.3 to 0.5 mm.
- 7. A device as claimed in claim 1, wherein the second tube (2) is built together with the first tube (1), or the second tube (2) is formed as a second passage (2') in the wall surrounding the passage (1') of the first tube (1).
- 8. A device as claimed in claim 1, wherein the additional tubings (4, 5) are connected to each other and form a closed system with the tubes (1, 2), wherein the closed system is filled up with an indicator-containing liquid suitable for detecting carbon-dioxide concentration.